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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ction of information unless it displays a valid OMB control number the Paperwork Reduction Act of 1995, no persons are required to respond Application Number 09/912.571 Filing Date TRANSMITTAL July 24, 2001 First Named Inventor **FORM** William A. Pugh Art Unit 2192 **Examiner Name** Nguyen-Ba, Hoang-Vu A. (to be used for all correspondence after initial filing) Attorney Docket Number 109870-130115 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): Return Receipt Postcard Request for Refund **Express Abandonment Request** CD, Number of CD(s) Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name sa vahe. William

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May 1, 2006

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Docket No.: 109870-130115 MAIL STOP: APPEAL BRIEF-PATENTS

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Before the Board of Patent Appeals and Interferences

Application. No.

09/912,571

Confirmation No.:

5944

Inventor

William A. Pugh, et al.

Filed

July 24, 2001

Title

METHOD AND APPARATUS FOR MULTI-VERSION

UPDATES OF APPLICATION SERVICES

Art Unit

2192

Examiner

Nguyen Ba, Hoang Vu A.

Customer No.

25,943

MAIL STOP: APPEAL BRIEF-PATENTS Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

RESUBMISSION OF APPELLANTS' BRIEF IN SUPPORT OF APPELLANTS' APPEAL TO THE BOARD OF PATENT APPEALS AND INTERFERENCES

Dear Sir:

This is a re-submission of Appellant's Brief in response to the Non-Compliant Notice mailed on April 5, 2006. The deficiency has been corrected. This appeal furthers the Notice of Appeal filed on July 19, 2005. The apparel arises from a final decision by the Examiner in the Office Action, dated April 19, 2005. The final decision was in response to arguments filed on November 3, 2004, in response to an earlier office action, mailed August 4, 2004.

Appellants resubmit this *Brief on Appeal*. Payment in the amount of \$500.00 to cover the fee for filing the *Brief on Appeal* was tendered with the original submission. Appellants respectfully request consideration of this appeal by the Board of Patent Appeals and Interferences for allowance of the present patent application.

Real Party in Interest:

The Real Party in Interest is BEA Systems, Inc., of 2315 North First Street, San Jose, California 95131, which is a successor in interest to Westside.com, assignee of the application. Assignment of the application from the Inventors to Westside.com is recorded with the United States Patent and Trademark Office on July 24, 2001, at Reel 012019 Frame 0914.

Related Appeals and Interferences:

To the best of Appellants' knowledge, there are no related appeals or interference proceedings currently pending, which would directly affect or be directly affected by or have a bearing on the Board's decision in this appeal.

Status of Claims:

Appellants appeal the rejection of claims 1-24. Claims 1-24 were pending and were rejected in the Final Office Action dated April 19, 2005. Claims 1-24 are pending, and are reproduced, as pending, in Appendix A.

Status of Amendments:

Appellants have made no amendments subsequent to the Examiner's final rejection.

Summary of the Claimed Subject Matter:

Independent claim 1 is directed towards a method of operation in an application service provision apparatus having an application service provision runtime library with multiple versions that comprises "receiving, by a first update service of a first version of said application service provision runtime library, a

request to update an application to a second later version of the runtime library; and a second update service of said second later version of the runtime library upgrading said application to said second later version of the runtime library." Element 108 of Figure 1 illustrates one example of a application service provision apparatus performing the operations recited in claim 1. Element 108 of Figure 1 is described in detail on page 6, line 25 through page 9, line 11, on page 13, line 16 through page 14, line 23, and on page 16, line 18 through page 17, line 14, in accordance with some embodiments. Figure 2 illustrates a flowchart of selected operations of a dispatcher function aspect of the present invention in accordance with claim 1. The selected operations illustrated by Figure 2 are described in greater detail on page 9, line 14 through page 11, line 6, in accordance with some embodiments. Figure 5 also illustrates a flowchart of selected operations of a monitor function aspect of the present invention in accordance with claim 1. The selected operations illustrated by Figure 5 are described in greater detail on page 13, line 13.

Independent claims 8, 14, 19, and 22 are directed towards *apparatuses* reciting limitations similar to those found in claim 1. Therefore, support can be found in the same figures and passages in the specification enumerated in the preceding paragraph summarizing claim 1. Further, additional support can be found in Figure 6 and its corresponding description on page 17, line 4-22. Figure 6 illustrates an exemplary computer system capable of performing the operations recited in claim 1, in accordance with some embodiments.

Grounds For Rejection To Be Argued On Appeal:

- I. Claims 1, 8, 14, 19, and 22 stand rejected under 35 U.S.C. § 112, second paragraph.
- II. Claims 1-24 stand rejected under 35 U.S.C. §102(b) over the teachings of U.S. Patent No. 6,009,274 to *Fletcher, et al.* (hereinafter "FLETCHER").

Arguments

Rejection of claims 1, 8, 14, 19 and 22 under 35 U.S.C. § 112, second paragraph was improper because said claims particularly point out and distinctly claim the subject matter which Applicants regard as the invention.

The final Office Action states that claims 1, 8, 14, 19, and 22 were rejected as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. While Applicants agree that claims must particularly point out and distinctly define the metes and bounds of the subject matter desired to be protected by the patent grant, applicants respectfully note that this standard is met in the claims as presently constituted. In contrast to the Applicants' position, the final Office Action alleges that claims 1, 8, 14, 19, and 22 are "not clear, precise and unambiguous as to:

- 1) How the first update service is related to the second updated service, or
- Whether the first update service is a distinct module/device from the second and the first service, or
- 3) Whether the first update service is to only receive a request for update and the second update service is to only update the runtime library software module."

Applicants respectfully disagree and assert that the claims are clear and precise. Claims 1, 8, 14, 19, and 22, as shown below, explicitly demonstrate that the first update service and the second update service are part of "the" runtime library. This expressly indicates that although the services may be different versions, both are of the same runtime library.

Claim 1 recites:

- 1. A method of operation in an application service provision apparatus having an application service provision runtime library with multiple versions, the method including:
 - receiving, by a first update service of a first version of the application service provision runtime library, a request to update an application to a second later version of the runtime library; and
 - a second update service of the second later version of the runtime library upgrading the application to the second later version of the runtime library.

Claim 8 recites:

8. An apparatus including:

storage medium having stored therein programming instructions designed to implement a dispatcher on the apparatus to

receive notification, from a first update service of a first version of an application service provision runtime library, of an application requesting update to a second later version of the application service provision runtime library, and

notify a second update service, of said second later version of the application service provision runtime library, of said request; and at least one processor coupled to the storage medium to execute the programming instructions.

Claim 14 recites

14. An apparatus including:

storage medium having stored therein programming instructions designed to implement a first version of an application service provision runtime library, including a first update service equipped with the ability to

receive a request from an application to update the application to a second later version of the application service provision runtime library, and notify a selected one of

a second update service of the second later version of the application service provision runtime library of said request, and a dispatcher of the apparatus of said request; and at least one processor coupled to the storage medium to execute the programming instructions.

Claim 19 recites:

19. An apparatus including:

storage medium having stored therein programming instructions designed to implement a first version of an application service provision runtime library, including a first update service to

receive a notification, from a selected one of

a second update service of a predecessor version of said first version of the runtime library to update an application to said first version of the runtime library, and

a dispatcher of the apparatus to update said application to said first version of the runtime library,

update, in response to the notification, said application to said first version of the runtime library, and

notify the selected one of

said second update service and

said dispatcher of completion of said update of said application to said first version of the runtime library; and

at least one processor coupled to the storage medium to execute the programming instructions.

Claim 22 recites:

22. An apparatus including:

storage medium having stored therein programming instructions designed to implement a first version of an application service provision runtime library, including a first update service to

- receive a notification from a second update service of a first predecessor version of said first version of the runtime library to update an application to said first version of the runtime library,
- update, in response to the notification, said application to said first version of the runtime library, and
- notify a third update service of a successor version of said first version of the runtime library to update said application to said successor version of the runtime library; and
- at least one processor coupled to the storage medium to execute the programming instructions.

Applicants respectfully reiterate that they are entitled to claim **all described embodiments**, which would include, but not be limited to, using either separate modules or unified modules and/or multiple devices or a single device.

Moreover, this versatility is expressly described in the substitute specification on page 13 second paragraph indicating:

while for ease of understanding, dispatcher function 110 and monitor function 118 are described as separate functions, they may be implemented as one or more components.

It is accordingly believed that the specification and the claims meet the requirements of 35 U.S.C. § 112, second paragraph.

II. Rejection of claims 1-24 under 35 U.S.C. §102(b) was improper because FLETCHER failed to teach each and every limitation.

It is well settled that anticipation under 35 U.S.C. §102 requires the disclosure in a signal piece of prior art to teach each and every limitation of a claimed invention. *Electro Med. Sys. S.A. v. Cooper Life Sciences*, 34 F.3d 1048, 1052, 32 USPQ2d 1017, 1019 (Fed. Cir. 1994). MPEP 2131 states, "TO ANTICIPATE A CLAIM, THE REFERENCE MUST TEACH EVERY ELEMENT OF THE CLAIM" and "a claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987).

Furthermore, anticipation requires that each claim element must be **identical** to a corresponding element in the applied reference. *Glaverbel Société Anonyme v. Northlake Mktg & Supply, Inc.*, 45 F.3d 1550, 1554 (Fed. Cir. 1995). Thus, to anticipate the present invention, FLETCHER must disclose every element recited in the pending claims.

The FLETCHER reference discloses automatically updating software components on end systems over a network to the newest version. More specifically, in column 5, lines 53-61 FLETCHER indicates:

According to one aspect of the invention, a method is provided for automatically updating software in a network including a server and an agent, comprising the steps of generating a server request, wherein said server request identifies the newest version level of a software component; generating an agent update request if the agent needs said newest version level of said software component; and updating the agent with said newest version level of said software component in response to said update request.

Thus, FLETCHER teaches that "the server request" is transmitted from the server and identifies the newest version level, while "an agent update request" is only generated by the agent to request update to the "newest version level" of the software component. Upon completion of the update process as described in FLETCHER the software component is at the newest version, regardless of the number of intervening versions. This can be problematic, especially if the desired upgrade should occur in stages not by leaping to the "newest version level" as required in FLETCHER.

In contrast, the instant application as claimed in claim 1 requires that "a first update service" receives "a request to update an application to a **second later version**." Moreover, the instant application as claimed in claim 1 indicates that "a second update service" upgrades the application to a "**second later version** of the runtime library" as indicated again in claim 1 of the instant application. Thus, in the instant application as claimed in claim 1, the first update service receives the request "to update an application to a **second later version**" instead of generating "the server request" as indicated in FLETCHER. The later version of the instant application as claimed in claim 1 is advantageously not necessarily the "newest" version as recited in FLETCHER. In this manner the instant application as claimed in claim 1 possibly enables a multi-step upgrade.

Moreover, FLETCHER does not teach in the identified passage which entity updates the software, agent or server. Further inquiry reveals that the requested file for the update is sent out "in round-robin fashion" (Co. 11, line 66), by the server to the agents. However, the file must be replaced by the agent on the server. In this manner, even assuming arguendo that the server of FLETCHER is equivalent to the first update service and the agent of FLETCHER is equivalent to the second update service, the agent and server of FLETCHER do not operate in the same manner as claimed in the instant application. Namely, the server of FLETCHER generates the server request instead of receiving "a request to update" as the first update service of the instant application and the agent of FLETCHER generates the agent update request instead of upgrading to a "later version" as recited in claim 1 of the instant application. Even switching the server and agent of FLETCHER does not result in the identical invention as claimed in claim 1of the instant application. MPEP 2131 requires "The identical invention must be shown in as complete detail as is contained in the ... claim." Richardson v. Suzuki Motor Co., 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989)(emphasis added).

Further, FLETCHER does not show "*receiving*, by a first update service of a first version of said application service provision runtime library, a request to update an application to a second later version of the runtime library" as recited in claim 1 of the instant application. Nor does FLETCHER teach or suggest "a second update service of said second later version of the runtime library *upgrading* said application

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to said **second later version** of the runtime library" as recited in claim 1 of the instant application.

Claims 8, 14, 19, and 22 contain similar language and limitations to those of claim 1. Therefore, for at least the same reasons, these claims are also not anticipated, and thus, patentable over FLETCHER.

Claims 2-7, 9-13, 15-18, 20-21, and 23-24 depend on claims 1, 8, 14, 19, and 22, incorporating their limitations, respectively, therefore, for at least the same reasons, claims 2-7, 9-13, 15-18, 20-21, and 23-24 are patentable over FLETCHER under 102(b).

Conclusion

Appellants respectfully submit that all the appealed claims in this application are patentable and request that the Board of Patent Appeals and Interferences overrule the Examiner and direct allowance of the rejected claims.

This brief is re-submitted. We do not believe any additional fees, in particular extension of time fees, are needed. However, should that be necessary, please charge our deposit account 500393. In addition, please charge any shortages and credit any overages to Deposit Account No. 500393.

Date:

May 1, 2006 -

Respectfully submitted,

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Appendix A - Appealed Claims

1. (Previously Presented) In an application service provision apparatus having an application service provision runtime library with multiple versions, a method of operation comprising:

receiving, by a first update service of a first version of said application service provision runtime library, a request to update an application to a second later version of the runtime library; and a second update service of said second later version of the runtime library upgrading said application to said second later version of the runtime library.

- 2. (Original) The method of claim 1, wherein said second later version of the runtime library is a selected one of the most current version of the runtime library and a predecessor version of the most current version of the runtime library.
- 3. (Previously Presented) The method of claim 1, wherein said second later version of the runtime library is a selected one of an immediate successor version of said first version of the runtime library and a successor version of greater than one generation removed from said first version of the runtime library.
- 4. (Previously Presented) The method of claim 1, wherein the method further comprises:

said first update service of said first version of said application service

provision runtime library notifying a dispatcher of said application

service provision apparatus of said update request; and

said dispatcher notifying said second update service of said second version

of said application service provision runtime library of said request.

5. (Previously Presented) The method of claim 4, wherein said second later version of the runtime library is a successor version of greater than one generation removed from said first version of the runtime library, and said method further comprises:

said dispatcher notifying a third update service of an immediate successor version of said first version of the runtime library of said request; said third update service of said immediate successor version upgrading

said third update service of said immediate successor version upgrading said application to said immediate successor version of the first version of the runtime library; and

said third update service of said immediate successor version notifying said dispatcher of completion upon upgrading said application to said immediate successor version of the first version of the runtime library.

6. (Previously Presented) The method of claim 4, wherein said second later version of the runtime library is greater than one generation removed from said first version of the runtime library, and said method further comprises:

said dispatcher notifying a third update service of an immediate predecessor version of said second version of the runtime library of said request;

said third update service of said immediate predecessor version upgrading said application to said immediate predecessor version of the second version of the runtime library; and

said third update service of said immediate predecessor version notifying said dispatcher of completion upon upgrading said application to said immediate predecessor version of the second version of the runtime library.

7. (Previously Presented) The method of claim 4, wherein said second later version of the runtime library is a successor version of greater than one generation

removed from said first version of the runtime library, said dispatcher notifying said second update service of said second version of said application service provision runtime library of said request directly, and said second update service upgrading said application to said second version of the runtime library.

- 8. (Previously Presented) An apparatus comprising:
 - storage medium having stored therein programming instructions designed to implement a dispatcher on the apparatus to
 - receive notification, from a first update service of a first version of an application service provision runtime library, of an application requesting update to a second later version of the application service provision runtime library, and
 - notify a second update service, of said second later version of the application service provision runtime library, of said request; and at least one processor coupled to the storage medium to execute the programming instructions.
- 9. (Original) The apparatus of claim 8, wherein said second later version of the runtime library is a selected one of the most current version of the runtime library and a predecessor version of the most current version of the runtime library.
- 10. (Previously Presented) The apparatus of claim 8, wherein said later version of the runtime library is a selected one of an immediate successor version of said first version of the runtime library, and a successor version of greater than one generation removed from said first version of the runtime library.
- 11. (Previously Presented) The apparatus of claim 8, wherein said second later version of the runtime library is a successor version of greater than one generation

removed from said first version of the runtime library, and dispatcher is further equipped to notify a third update service of an immediate successor version of said first version of the runtime library to update said application to said immediate successor version of the first version of the runtime library, and to receive notification from said dispatcher of completion upon upgrading said application to said immediate successor version of the first version of the runtime library.

- 12. (Previously Presented) The apparatus of claim 8, wherein said second later version of the runtime library is greater than one generation removed from said first version of the runtime library, and the dispatcher is further equipped to notify a third update service of an immediate predecessor version of said second version of the runtime library to update said application to said immediate predecessor version of the second version of the runtime library, and to notify said dispatcher of completion upon upgrading said application to said immediate predecessor version of the second version of the runtime library.
- 13. (Previously Presented) The apparatus of claim 8, wherein said second later version of the runtime library is a successor version of greater than one generation removed from said first version of the runtime library, said dispatcher notifying said second update service of said second version of said application service provision runtime library of said request directly, and said second update service upgrading said application to said second version of the runtime library.
- 14. (Previously Presented) An apparatus comprising: storage medium having stored therein programming instructions designed to implement a first version of an application service provision runtime library, including a first update service equipped with the ability to

receive a request from an application to update the application to a second later version of the application service provision runtime library, and notify a selected one of

a second update service of the second later version of the application service provision runtime library of said request, and a dispatcher of the apparatus of said request; and at least one processor coupled to the storage medium to execute the programming instructions.

- 15. (Original) The apparatus of claim 14, wherein said second later version of the runtime library is a selected one of the most current version of the runtime library, and a predecessor version of the most current version of the runtime library.
- 16. (Previously Presented) The apparatus of claim 14, wherein said second later version of the runtime library is a selected one of an immediate successor version of said first version of the runtime library, and a successor version of greater than one generation removed from said first version of the runtime library.
- (Previously Presented) The apparatus of claim 14, wherein said first update service is further equipped to

receive a notification from a selected one of

a third update service of a predecessor version of said first version of the runtime library and

a dispatcher of the apparatus,

update, in response to the notification, said application to said first version of the runtime library, and

notify the selected one of

said third update service and

- said dispatcher of completion of said update of said application to said first version of the runtime library.
- 18. (Previously Presented) The apparatus of claim 14, wherein said first update service is further equipped
 - to receive a notification from a third update service of a first predecessor version of said first version of the runtime library to update said application to said first version of the runtime library,
 - to update, in response to the notification, said application to said first version of the runtime library, and
 - to notify a fourth update service of a successor version of said first version of the runtime library to update said application to said successor version of the runtime library.
- 19. (Previously Presented) An apparatus comprising:
 - storage medium having stored therein programming instructions designed to implement a first version of an application service provision runtime library, including a first update service to receive a notification, from a selected one of
 - a second update service of a predecessor version of said first version of the runtime library to update an application to said first version of the runtime library, and
 - a dispatcher of the apparatus to update said application to said first version of the runtime library,
 - update, in response to the notification, said application to said first version of the runtime library, and
 - notify the selected one of said second update service and

said dispatcher of completion of said update of said application to said first version of the runtime library; and at least one processor coupled to the storage medium to execute the programming instructions.

- 20. (Original) The apparatus of claim 19, wherein said first version of the runtime library is a selected one of the most current version of the runtime library, and a predecessor version of the most current version of the runtime library.
- 21. (Previously Presented) The apparatus of claim 19, wherein said first version of the runtime library is a selected one of an immediate successor version of said predecessor version of the runtime library, and a successor version of greater than one generation removed from said predecessor version of the runtime library.
- 22. (Previously Presented) An apparatus comprising:
 storage medium having stored therein programming instructions designed to
 implement a first version of an application service provision runtime
 library, including a first update service to
 receive a notification from a second update service of a first
 predecessor version of said first version of the runtime library
 to update an application to said first version of the runtime
 library,
 - update, in response to the notification, said application to said first version of the runtime library, and
 - notify a third update service of a successor version of said first

 version of the runtime library to update said application to said

 successor version of the runtime library; and

at least one processor coupled to the storage medium to execute the programming instructions.

- 23. (Previously Presented) The apparatus of claim 22, wherein said first version of the runtime library is a second predecessor version more than one generation earlier than the most current version of the runtime library.
- 24. (Previously Presented) The apparatus of claim 22, wherein said first version of the runtime library is an immediate successor version of said first predecessor version of the runtime library.

Appendix B – Copies of Evidence Submitted

No evidence has been submitted under 37 C.F.R. 1.130, 1.131, or 1.132. No evidence entered by Examiner has been relied upon by Appellants in the appeal.

Appendix C - Related Proceedings

None.

Appendix B: Page 1 of 1 SEA/109870/130115/RPE/356458.1